

ALUMNUS ELECTED TO MEMBERSHIP IN THE CORPORATION

**F. W. Fabyan '93, ex-Term
Member Is Elected to
Life Membership**

27 MEMBERS ARE PRESENT

**Three Term Members Who
Were Elected Last June
Are Present**

Francis W. Fabyan '93, a member of the firm of Bliss, Fabyan and Company, was elected a Life Member of the Corporation at its Fall meeting Wednesday afternoon. President S. W. Stratton read his report at the meeting as did Everett Morss '85, treasurer of the Corporation.

Mr. Fabyan has taken an active interest in undergraduate activities, particularly debating and public speaking. He has served as a Term Member of the governing body for the past five years, his term expiring last June. After being graduated from Course IX in 1893, he entered his father's commercial dry goods business and has been a partner in the company for many years. He is a director of various companies, among them being the New England Trust Company, and is a member of the Algonquin Club.

Three New Members Attend
The meeting of the Corporation was marked by the appearance of three new members elected at the June meeting. They were Andrew G. Pierce, Jr. '85, President of the American Woolen Company; Salmon W. Wilder '91, President of the Merrimack Chemical Company; and John L. Mauran '89, senior member of the firm of Mauran, Russell and Crowell, St. Louis architects. All were elected after nomination by the Alumni Association last spring. Twenty-seven of the 52 Corporation members attended, the largest number in several meetings.

Following the President's and the Treasurer's Reports, the various standing and visiting committees of the corporation were elected. James P. Munroe '82 was reappointed Secretary.

T. C. A. CONFERENCE HELD OVER WEEK END

**Object of Meeting Is To Make
Plans for Year's Work**

At a meeting of the Executive Committee of the T. C. A. Tuesday night it was decided to hold the setting-up Conference planned for this week-end at Drabington Lodge, Kendall Green, three miles beyond Waltham. The T. C. A. Staff left on the 5:14 train from the North Station Wednesday, planning to return Sunday afternoon. The expense of the stay will be met by the Association. The entire T. C. A. Staff is making the trip, including the Officers, Department Directors, and Division Managers. The Staff comprises 28 men. The Conference is being held at the same place it was held last year, and at correspondent dates.

The main object of this meeting is to make plans for the year's work. Reports are made of the work of last year, and criticisms made and improvements suggested in the work of the coming year. One important matter to come up at this conference is the election of a Treasurer to take the place of J. S. Moon '26, who did not return to the Institute this fall. Dr. R. H. Culver, Secretary for College Work in New England, and Reverend M. S. Bush, Presbyterian Student Pastor of Boston, are expected to attend the Setting-Up Conference. In addition, the members of the Advisory Board were invited.

Student Directory

Proofs of the Student Directory will be posted today in three places: Main Lobby, Building 10; Walker Memorial; and entrance to Building 2, near Charles River Road.

Each student should verify his name, reporting corrections on the blanks provided. The sheets will be removed Wednesday.

NAVAL TANK MAY BE INSTALLED HERE

From present indications it seems that before long a naval tank will be installed at the Institute. For the purpose of aiding in the design of the apparatus, L. B. Chapman '10, formerly the head of the course in Marine Engineering and Transportation at Lehigh University, has been appointed to the Institute by the Corporation.

There are now only two naval tanks in the United States, one having been constructed in Ann Arbor, Michigan, the other in Washington, D. C. The latter is owned and operated by the Navy. Many of these tanks are in use in the various European countries. Several large ones are situated in England, France, Germany and Japan.

As it is now believed, the tank will be a part of the hydraulic laboratory. This will not only make it convenient, but will reduce the cost of construction considerably.

RADIO STATIONS OPENED IN DORMS

**1-BAD and 1-AES Operated
By William Beard '28 and
H. A. Chinn '27**

This year there are two amateur radio transmitting and receiving stations in the Dormitories. One of these stations, call license 1AES, was located in the Dormitories last year and it has been reinstalled for the winter season. It is owned by William Beard '28 and is located in the '93 Dormitory. The other transmitter, call license 1BAD, is a new installation this year. It is located on the top floor of Runkle Hall and is owned by H. A. Chinn '27.

The first transmitter, 1AES, is a typical amateur set utilizing a five watt power tube with the plate voltage supplied by the transformer chemical rectifier system. The outfit has not been put into actual operation yet, but it is about ready to go "on the air."

Chinn's transmitter in Runkle Hall employs a fifty watt Western Electric power tube and draws its high voltage from a transformer through "G" tube rectifiers. It is mounted on the top shelf of a bookcase with the power supply on the lowest shelf. The set is entirely controlled from a small cabinet on the study table which also contains the receiving equipment. This station has been operated less than a week, but in that short time communication has been established with amateur stations all over the country, and it has been no uncommon occurrence to connect up with several California stations in an evening. This installation is a unit of the American Radio Relay League and will accept informal messages for delivery anywhere in the United States free of charge.

SENIOR PICTURES TO BE TAKEN VERY SOON

Technique announces that in order to insure the placing of his picture in the portfolio section of the 1926 Book, every Senior must make an appointment at once. Beginning today, there will be men in the Main Lobby every day from 12-2 to make these appointments. It is pointed out that the responsibility in this matter rests with the individual Seniors, and the book cannot hold open its forms for any men who do not have their pictures taken at this time. The photographer's charge of \$1.00 is due at the time of taking the picture. Notman's Studio is the Technique photographer for this year.

MEMBERS OF MENORAH SOCIETY HOLD SMOKER

Chancellor Henry Hurwitz was the principal speaker at the smoker of the Menorah Society held in North Hall Wednesday evening. About 100 members of the organization gathered for the first meeting of the year.

Chancellor Hurwitz urged the men to do all they could to broaden the education that they are receiving at the Institute. He stated that students should familiarize themselves with the history of man, thus enabling themselves to study the problems of the human race that occur during their lives. In his opinion, it is essential for an engineer to be a man of thought as well as a technical man.

At the close of the address, members of the society were given the opportunity to ask the speaker questions on matters concerning his lecture and the society.

FACULTY CLUB TO HEAR ADDRESS BY PROFESSOR NORRIS

**Dr. Orsini of University of
Padua Will Also Speak
At Reception**

R. E. ROGERS TO PRESIDE

**Dr. Norris Will Describe His
Experiences Abroad
Last Summer**

Several prominent scientists and educators will speak at the dinner and reception extended by the Faculty Club to its new members on Thursday. The meeting will be held at the University Club on Beacon Street.

Professor J. F. Norris of the Chemistry Department heads the lists of speakers, and will talk on his experiences while in England and Roumania last summer as President of the American Society and delegate from the National Research Council. Professor Norris has had several unusual experiences abroad, having been entertained by the King and Queen of Roumania, and spoken at a dinner presided over by the Duke of Northumberland.

A representative from a European University, Dr. Francesco Orsini, of the University of Padua, will also address those present on "Some Tuscan Economic Problems." It is said that he has been unofficial advisor to Mussolini on the proposed settlement of the Italian debt. The doctor is a Florentine and is descended from Clarice Orsini, the wife of Lorenzo d'Medici. D'Medici is better known in history as "Lorenzo the Magnificent."

Dr. Orsini is a friend of Professor H. W. Tyler '84 the head of the Department of Mathematics, who is the third speaker of the evening. Dr. Tyler was in France and Switzerland touring in a French Ford during the past summer. This trip was a continuation of a previous one taken in 1924 and will be the subject of Dr. Tyler's talk.

The presiding officer is Professor R. E. Rogers of the English Department.

Models of Planes Are Exhibited By The Aero Society

**Expect To Increase Scope of
Activities by Making
Several Trips**

An exhibition of the Aero Engineering Society has attracted considerable attention during the past two days. There are wind tunnel models of different types of planes, including a model of a helicopter and the famous "Kittie-Kar Monoplane." A section of the wing of a glider built by the Society is also on exhibition in the main lobby, as is the medal won by the Society in the European gliding meets.

At a meeting of the Aeronautical Engineering Society, plans for the coming year were discussed. It was decided that more work of a detailed technical nature be included in the program, while the scope of activities will be increased by conducting trips to places which are of interest to the Society's members. It was also suggested by some members of the Society that a fund be started for the ultimate ownership of a plane by the Society.

Dues for the year are \$1.50, this including full membership privileges of attending all smokers, talks and movies. Last year the Society was fortunate in having such speakers as Lieutenant James A. Doolittle, Lieutenant Leigh Wade, Professor E. R. Warner, and Lieutenant Wells. Some of the members of the Society made trips of inspection to various plants in New York.

It is hoped to secure more speakers this year than in the past. These will include prominent military leaders and authorities on design and air transport. As usual, free flights will be given to members who draw lucky numbers at the annual banquet, held later in the year. Last year 30 members availed themselves of the opportunity to take flights at cut rates, and it is planned to repeat the offer this year.

Prominent Engineer Who Lectures Today



John Hays Hammond

SOPHS' FIELD DAY OUTLOOK IS GOOD

**Freshmen Will Have to Travel
Fast in Order to Win
Any of Games**

By the looks of the Sophomore football team the freshmen might as well give up in despair, for against this fast and powerful aggregation they haven't a ghost of a chance. Last night the Sophomores had two teams on the field and a hard scrimmage was carried out, and the way the first team ripped into the second was enough to make even a Captain Kidd turn white and show his heels.

The freshmen will do well, even under the able coaching of C. C. Shotts, to put out a team that will make the game on Field Day anything but a farce. When Coach MacLaughlin of the Soph team was asked what chance the frosh had on field day he answered by giving a deep and heartfelt prayer for the poor freshmen.

The Sophomores are reporting regularly for practice at the track house and most of the men being experienced, it looks as though the poor frosh haven't a look in. It is hard to tell what the freshmen are thinking of, for they are showing up for practice very poorly; as a matter of fact it is a very good day when a team of 12 men shows up. Perhaps the frosh figure they are a group of Nurnis and need no practice.

In crew the Sophomores have the advantage in having rowed together and this ought to count a great deal for good crew requires constant rowing together. The Soph crews have been practicing regularly and if this mild weather continues the crew ought to turn in a good time for the course on Field Day.

In the tug-of-war the Sophomores, like the freshmen, have either been too indifferent or lazy to show up for practice, and the result is that a prof is called over from the microscopic lab to find a full team of 25 men.

TECH SHOW OF 1925 WILL BE BROADCAST

Tonight the Tech Show of 1924, "The Hidden Idol," will be broadcast once more, according to a telegram received by H. M. Boardman '26, General Manager of this year's production, from W. T. Cook '24, author of the 1924 book. Since graduation Cook has been connected with the broadcasting division of the General Electric Company, under whose auspices the play will be presented.

At the presentation of the 1924 Tech Show at the Boston Opera House special arrangements were made to have the play sent out by radio. This time, however, the musical comedy will be broadcast from WGY, Schenectady by the WGY players.

On the 1924 Tech Show trip there were over 100 men. The places where the production was given were Norwich, this being the home of the author, Northampton, Hartford, New York, and lastly, Boston. This year the Tech Show management is hoping for an extended trip which will possibly include Schenectady. If this is the case, the 1926 Tech Show will probably be broadcast directly from WGY.

ALDRED LECTURER ONCE RECEIVED A SENTENCE TO DIE

**John Hays Hammond Was
Implicated in Famous Jame-
son Raid in Africa**

SENTENCE IS COMMUTED

**Seniors and Graduate Students
Excused From Classes
For Lecture**

"The Importance of the Engineering Profession" will be the subject of the first Aldred lecture of the year, to be delivered by John Hays Hammond, prominent consulting mining engineer, this afternoon at 3 o'clock in room 10-250. As there has been some little misunderstanding about the lecture, it has been announced that all Seniors and Graduate students are excused from classes during this hour that they may attend.

Mr. Hammond is considered one of the foremost mining engineers in this country and has always taken an active part in public affairs. As manager of the vast mining interests of Cecil Rhodes in South Africa he was one of the four leaders in a transvaal political reform move which resulted in the famous Jameson Raid. After the raid, in which he took no active part and of which he did not approve, he, with the other three, was arrested and sentenced to death. Sentence was later commuted to 15 years in prison and the four were finally released on the payment of \$125,000 apiece.

Head of Coal Commission
After his release he returned to America and travelled extensively as a consulting engineer, investigating mining interests in this country and Mexico. He twice visited Russia at the request of the government of that country and discussed with the Czar the commercial and industrial resources of Russia as related to those of the United States. While there he sent an expedition into Russian Turkestan to investigate the possibilities of irrigating a 600,000 acre tract.

As chairman of the Coal Commission, he has attracted public attention by his denunciation of Pennsylvania legislation regarding the mining of coal. This denunciation was made as a result of his investigation of the condition of the coal industry in this country. Mr. Hammond is the father of John Hays Hammond, Jr., the noted inventor who originated remote control by radio.

METALLURGY MEN INSPECT FOUNDRY

**Visit Hunt-Spiller Plant On
First Trip of Season**

Last Tuesday Professor G. B. Waterhouse, in charge of the option in Metallurgy, led a group of students on their trip to the plant of the Hunt-Spiller Manufacturing Corporation. This was the first metallurgy trip in a planned series of four of this term. Approximately 20 men of the Iron and Steel Metallurgy courses participated. They proceeded to the building in the afternoon to collect data for their reports.

The actual trip through the plant was made in two groups, one conducted by Mr. Harrington, Metallurgist of the Corporation, and the other by Mr. Wright, Assistant Metallurgist. The main purpose was to examine the foundry layout and the method of using pounded coal. This method is a new development in foundry practice, according to Professor Waterhouse, and brings about great economy in fuel and labor costs. The iron foundry employs 30 ton air furnaces instead of cupolas, and so succeeds in shortening the melting time from 13 to three and a half hours. A special grade of wear resisting iron is produced for cylinder parts and piston rings for locomotives.

CALENDAR

Friday, October 16

3:00—Aldred lecture in room 10-250.
4:00—Chemical Movies in room 10-250.
5:00—Gym exhibition, Walker Gymnasium.
5:00—Tryouts for specialty acts of the Musical Clubs, room 5-330.
7:30—Cosmopolitan Club social, Bates Hall, Boston Y. M. C. A.
8:00—Tech Show Orchestra, selection and rehearsal, East Balcony, Walker.
8:00—E. E. Society meeting, North Hall, Walker.

Tuesday, October 20

6:00—Dinner meeting, Square and Compass Club, North Hall, Walker.

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of Technology

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REDECORATING NORTH HALL

A GREAT deal of sentiment is being expressed around the Institute concerning the redecoration of North Hall, Walker Memorial. It is a question the merit of which is not for the moment doubted. When the smaller Technology organizations wish to run a dance, dinner, or meeting of some kind, the number of possible places to choose are extremely limited. Unless the organization is a very large one, the Main Hall proves entirely too large. Likewise unless the organization is a small one, the Grill Room is not large enough. What is needed then is a medium-sized hall, sufficiently attractive to make it desirable for dances, and formal or informal gatherings. North Hall could be just the place to fulfill these qualifications, but at the present time, owing to its bare and morgue-like appearance, it is not at all satisfactory. A Tech man would be ashamed to have to entertain anyone in so ghostly a place; and furthermore would be ashamed to have it known that such a hall was being used in the Walker Memorial, a building itself beautiful enough so that the contrast is all the more striking. We believe that it is in the interests of all Technology men that something be done in the way of redecoration North Hall. Such a procedure will most certainly be in harmony with the purposes for which Walker Memorial was given.

CO-OPERATION BETWEEN STUDENTS AND FACULTY

WE NOTE with interest the growth in usage of the "Undergraduate Report" idea among the Colleges. The Dartmouth Undergraduate Report recently published, has been heralded as "revolutionary,"—as the beginning of a new era in education. It represents a year's study on the part of an undergraduate committee and is broad in its scope.

Chancellor Flint of Syracuse University has now invited the Seniors and Juniors at that institution to make a similar study and report. Whether it will be as thorough as that made at Dartmouth we do not know. To our mind its interest is that it shows the growth of the idea.

The Harvard Crimson recently published its "Confidential Guide to Courses," consisting of the impressions of individual Undergraduates about a number of course given at the University.

To the student public at large the importance of these reports lies not so much in the improvement they may make in the curriculum of particular colleges, but in the spirit of open-mindedness which they show. For criticism to be allowed, even invited, is a new experience for the undergraduate. That he can render sober and just criticism is, possibly, a new finding for the faculty. With contacts and precedents established in some colleges we may hope that co-operation will soon be wide-spread, that student and faculty will everywhere mutually advise and support each other.

THE DEVELOPMENT OF DORMITORIES

ONE OF the greatest factors in unifying the undergraduates of a college is dormitory life. When students live together, depend upon each other for company and for amusement, they acquire a spirit of fellowship that cannot be obtained in any other way. This fact has been realized for some time. It is the dream of every college to have all of its undergraduate body housed on the campus. In most cases in which this is now true, it is in a small town where the entire life revolves around the college. In larger places, usually a good percentage of the students live at home and such a dream is more vague. But these larger institutions are gradually coming nearer to it.

Harvard, since it finished its new dormitories on Memorial Drive, has required that all freshmen live there. This has proved a successful plan. Now Princeton falls into line. In 1922 the Board of Trustees limited the enrollment to 2200 for this very purpose. At that time 66 per cent of the students lived on the campus and the rest in the town. A building program was also adopted. Two new dormitories were built immediately, each housing about 150 men. Now a third is under construction, and a fourth is now being planned. In 1927 the university expects to house over 80 per cent of its students.

With all the undergraduates living on the campus at Harvard, Princeton and Yale undertaking building programs, perhaps we may begin to dream here at Technology.

"MISFIT" BELIEVES WE LIVE IN DREAMS

Claims World and Careers Are Not True Reality

H. C. Sproul, a teacher in a well known Eastern college, admitting that he is what may be called a misfit in the scheme of life, defends his viewpoint in an article in the October number of the Scribner's Magazine, and shows how the colleges aid and abet him.

"It is not that we despise the world and the machinery of careers," he says. "We simply have no interest in them. Often we find ourselves working as doctors, lawyers, engineers, teachers. And we may do our jobs passably well, but they are quite meaningless to us—empty rooms in the chambers of our minds. For they are not the reality. We live in a dream—a dream which is for us reality, and clients, friends, bridges. Students, these are but shadows in the dream the somnambulism of uneasy sleepers."

"What," you ask, "has the college to do with this dream?" It is at college that the susceptible student finds gathered up the wisdom and beauty of all ages, and gradually he builds out of his discoveries a monastery of his mind. There is no premeditation in this; the boy is directed by inexorable loveliness. He cannot help himself. He is exiled into his dream, into his private world built up of bits of earthly color, as if he were to become the central figure of a cathedral window he had just fashioned."

Women and Cigarettes

(From the New York Herald-Tribune)

The girls of Massachusetts Institute of Technology are to enjoy the privilege of smoking at college dances and other social functions. If they want to smoke, why shouldn't they? The faculty examiners do not give one set of examinations for the cigarette-smoking boys and an easier set for the non-smoking girls. Some scientist has just told us that one reason for smoking is that it helps us to concentrate.

Do women smoke because they consider it is smart or because they find real satisfaction in the cigarette? There is apparently a difference of opinion regarding the growth of smoking among women. Reports from abroad are to the effect that the number of women smokers is steadily increasing. In England the plump, honest, full-size cigarette has left the dainty, highly-scented variety far in the rear. This would indicate that the English woman takes a cigarette because she wants it rather than because it is the "right" thing to do. To those who argue that if women smoke because they enjoy it, who not use cigars and pipes, there is the reply that among men there are thousands who use cigarettes exclusively.

The days when a cigarette between the fingers of a woman carried a stigma and branded her as an adventurer are still some persons who try to conjure have long since passed. There next cigarettes and morals, just as there remain opponents of theatres and dancing.

Intercollegiates

"The Effect of Socialism on Progress" will be the subject of a debate between Harvard University and Oxford University, to be given in Symphony Hall tonight.

The Harvard debating team will be chosen not only from the college, but from the graduate schools including the Harvard Law School. The Oxford team will consist of the three presidents of the Oxford Union in the past season: H. V. Lloyd-Jones of Jesus College, a Welshman and Liberal, who has been admitted to the bar; R. H. Bernays of Worcester College, an Englishman and likewise a Liberal, who is already an active force in British politics; and H. J. S. Wedderburn of Balliol College, who is a Scotsman and a supporter of the Conservative party.

Play Directory

CASTLE SQUARE: "Able's Irish Rose."—Good if you like it.
COLONIAL: "Ziegfeld Follies."—Last two weeks of the 20th edition.
COPLEY: "The Bad Man."—Revival of Holbrook Blynn's success.
HOLLIS: "Young Woodley."—Good play of English youth.
MAJESTIC: "Rose Marie."—Musical show of the wild and woolly west.
PARK: "The Show Off."—American business humor.
PLYMOUTH: "The Gorilla."—Amusing travesty on thrillers.
SHUBERT: "The Student Prince."—Enough to make one wish Technology were Heidelberg.
TREMONT: "Seventh Heaven."—Apaches in their native haunts.
WILBUR: "What Price Glory."—A humorous and savory war play.

Nutrition Course Continued Because Of Good Results

The classes in nutrition, which were conducted for the first time at Technology last year, were found to produce excellent results in every respect, according to the recent report of the Department of Hygiene. Last year the course was organized and conducted for a short time under the supervision of Doctor W. R. P. Emerson of Boston, who is the originator and designer of this nutrition course especially designed for men who are subject to the health disadvantages of a student. Similar classes in nutrition were organized by Dr. Emerson in all the larger colleges of the Eastern States. In each case the students of the class showed great improvement in their health conditions and physical structure in the short time of one term.

Doctor G. W. Morse of the Department of Hygiene, expressed great satisfaction in the excellent results of the classes conducted last year and was very enthusiastic about the coming year. During the past years in the annual freshmen physical examinations, records show that 23% of the entering men were physically unfit. The United States Army draft standards were taken as the basis for these figures. With such an overwhelmingly large number of men physically defective the Institute deemed it necessary to alleviate these conditions, since the improvement of the health of the student body means greater scholastic capabilities. Thus, this course was given at the Institute last year to all the freshmen who were found to be underweight or had some special defect that could be corrected by a diet designed by the department. Some of the men were found to be lacking in sleep and sunshine, others were found to be putting too much time on their studies with the result of not having any outdoor exercise. During the course these defects of the student's life were discovered and proper suggestions were made by the department, so that the student did receive plenty of outdoor exercise without interfering with his school work. Each student's case was taken up individually in every detail, and the best of advice and treatment was given of all, in order to improve their condition.

Although all of the physically unfit freshmen were expected to take the course many upper classmen enrolled. Out of the 80 that had started the course about 50 per cent had left the course before half the year was over. These men were found to be in average physical condition of a Technology student. When the school year was completed the department record showed that all the men that were enrolled in the course had gained on an average of 7 pounds during the course. Many of the men that had taken the course last year were so pleased with the results that they have already enrolled for this term. This year the course will be started as soon as all the freshmen examinations are completed. The classes will be given under the direction of Dr. B. E. Sibley.

In addition to the classes in nutrition a class in posture will also be conducted. This class is solely conducted for students who have deformities that may possibly be corrected by physical exercises of various kinds. Last year a similar class was conducted and had an enrollment of 33 men, mostly all freshmen. At the end of the term a shadowgraph was taken of all the students, which showed that all the students' posture was corrected; all the men were up to the average again. Similar classes will be conducted this year under the supervision of Mr. H. P. McCarthy.

TRINITY CHURCH

In the City of Boston

The Young People's Fellowship—run by the members—meets Sundays at 5:30 P. M.

Interesting Speakers, Discussions, Debates, Pageantry, Dramatics, Music and Social Activities.

The Young People's Choir sings at the 4 o'clock service on Sundays. Rehearsals and try-outs on Fridays at 7:00 P. M. Tenors and Basses wanted.

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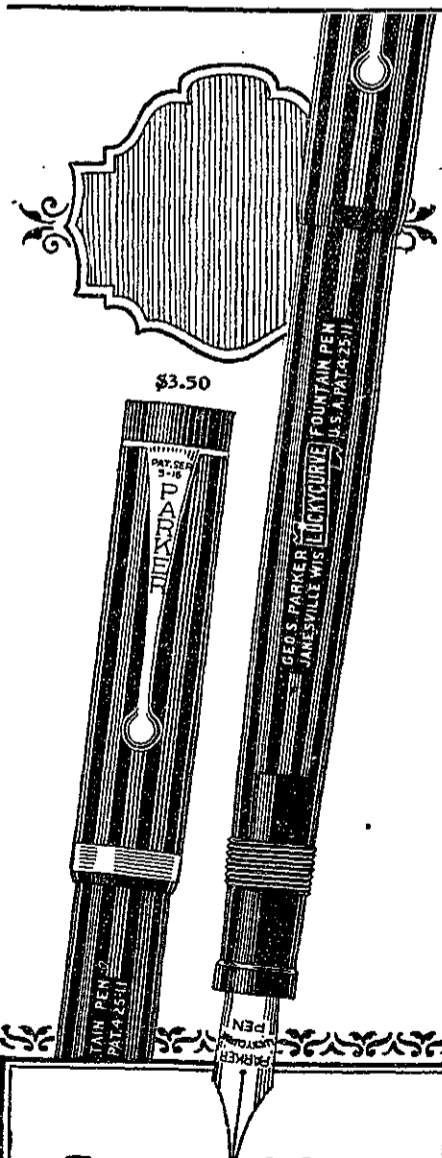
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FOOTBALL TEAMS OPEN SEASON TOMORROW

Sophomores Go to Haverhill For St. James Game--Frosh Meet St. John's At Danvers

Simultaneously at Haverhill and Danvers tomorrow afternoon the Technology athletic schedule for the season of 1925-26 starts off with a bang as the Sophomore football team dons the togs for four quarters of stiff battle against the St. James second team and the freshman outfit stacks up against the 2nd eleven at St. John's prep. Both teams are about as fit as can be expected this early in the season, considering the time that they have to practice, but of the two the second year men seem to be the best bet for a win.

Coach MacLauchlin of the Sophomores had his charges out working hard last night putting in the finishing licks and smoothing off the rough edges which crop out at the last minute. Although the outlook for the team was decidedly under the weather during the first few days of practice, it begins to look as if the spirit which enabled the last year's frosh to hold the superior aggregation of the 1927 team to three scoreless periods on the last Field Day, was once more instilling itself into the squad, as last night two elevens were fighting for all they were worth.

Although the first team was ripping up the scrub's line in a manner which can not be described on this page, this is no indication of the offensive strength of the team as the scrubs are merely picked up outfit of anybody who comes along. A sad blow was hit the team when Joe Parks, a backfield candidate pulled a tendon in practice which will keep him out of the game for several weeks. The coaches hope that he will be in condition for Field Day.

Three full sets of backfield men will be present on the field to-morrow ready to buck the line and run the reds a la "Red" Grange. This is something which is unprecedented in class football here at Technology, it being very lucky for a Sophomore team to have more than eleven men on the whole squad. The entire line averages 165 lbs. which is fairly heavy for a class team.

On the other side of the field "Buck" Shotts was putting the yearlings through their final scrimmage before their acid test with St. John's at Danvers. Contrary to past years when the freshman team looked so small that it seemed a pity to send it against the Sophomores this year's outfit of gridiron warriors has more than its usual quota of "big" men. Although the majority of the weight is in the line, the backfield more than makes up in speed what it lacks in pounds.

Frosh Good on Defense

In the scrimmage last night all four of the backfield men were hitting the line in good form, finding each time the holes which the linemen opened up. However, the question which is most important at the present time is whether or not the linemen will be able to rip up the St. John's line the way they did that of the scrubs. If the line can make the holes, the ball-carriers will be able to crash through with the necessary yardage for a win.

On the defense the frosh look good as no long gains were chalked up against them last night. But here again the same question holds, will they be able to stop the strong offense which will be hurled at them by the Danvers team?

Tentative line-ups released by both coaches are as follows:

Freshmen	Sophomores
Wilson, le.....le, Caputo	
Ewald, lt.....lt, Piper	
Hamilton, lg.....lg, Luby	
Newhouse, c.....c, Walford	
Funk, rg.....rg, Jones	
Glass, rt.....rt, Dean	
Crosby, re.....re, Wilson	
Cullinan, qb.....qb, Gray	
Walsh, rhb.....rbh, Sealy	
Donahue, lhb.....lhb, Riley	
Peterson, fb.....fb, Proctor	

BASKETBALL SQUAD PROSPECTS HAVE NOT MATERIALIZED

Lack of Experienced Men Is Proving Great Handicap To The Team.

ONLY TWO VETERANS OUT

Men Are Now Practicing In Hangar Gym Three Days Every Week

At the end of the first week of practice for the basketball squad, prospects for the coming season have not yet materialized. Although the squad has been working at a fairly rapid clip, there have been several things to handicap Coach McCarthy in his efforts to build up a winning combination.

Lack of men with previous basketball experience is proving the most serious difficulty. There are but a half dozen men on the court squad with enough experience to prove worthy opponents to the Varsity when the time for scrimmage rolls around. Despite the fact that there are opportunities for any man who shows enough ability to warrant his staying on one of the fives, there has been a serious dearth of material. Coach McCarthy wishes to issue, through these columns, a call for men. Any man having basketball experience is welcome, with particular stress laid on the need of Sophomores and Freshmen.

Several Sophs Promising

This year's aggregation will be built around two veterans of the past squad. Bill Forrester, the present captain, and Ernie Hinck. Both men have been showing splendid form for the early season. Forrester, who earned high scoring honors during the last season, shows especially fine form. Biehle, Umbenhauer and Timmerman, who made up the reserves last year, are making strong bids for Varsity berths. Their experience with Coach McCarthy's style of play will prove valuable in their efforts to break into the regular lineup.

Several men who show indications of being varsity material are Estes, captain of the 1928 frosh squad and Myers, a transfer. Both men have the ruggedness to withstand the strain of collegiate competition, and their success depends on their ability to assimilate McCarthy's teachings. The "rookies" have been slow in reporting so that the lineup at the opening whistle will have to be picked from the men at large unless a greater number of candidates report.

Practice is being held in the Hangar on Tuesdays, Wednesdays and Thursdays. So far, practices have been mainly concerned with the elementary phases, with emphasis being placed on handling of the ball. Scrimmage will start some time next week, by which time it is hoped that enough men will be out to make the affairs strenuous enough to afford real competition. Particular stress is again placed on the necessity of more men. Coach McCarthy extends an invitation to all who are interested in basketball and who have handled the ball to any extent to call at the Hangar. He will give his personal attention to those desiring to try for the squad.

As October 24 has been set as the last date for signing up for sports in place of physical training, it will be advisable for all freshmen to take care of this matter at the present date so as to avoid the rush at the end. Those freshmen who can report for practice now will be further advanced when the time for picking the frosh squad arrives. An attractive schedule has been arranged for the yearlings, and with the opportunity of earning numerals, there should be no hesitancy about reporting at the Hangar.

BEAVER SOCCERITES HAVE TOUGH OPENER

Technology's Soccer team travels to Durham Saturday to play the intercollegiate curtain-raiser with New Hampshire State. New Hampshire is a tough outfit, judging from reports of early season games. They took in Clark University to the tune of 3-2 and played a scoreless tie with Harvard. The members of the Beaver team are none too confident of the results of the game, this being the first real test of the season. Should they win, however, it will be a big feather in their cap as it would give them a world of confidence. The game scheduled for last Saturday afternoon with the All-Chinese team was called off on account of the weather and prevented the team from getting necessary practice for the game to-morrow.

TENNIS TOURNAMENT HALTED BY WEATHER

Weather conditions are hindering the progress of the Fall tennis tournament this year and if old "Jupe" Plusius does not let up soon they will be playing the finals next Christmas. Results of the third round matches will be posted next Monday, weather conditions permitting the play-off of these games.

Up to the present time there have been 28 matches won by default out of a total of 75 scheduled games. As might be expected the favorites are still in the running but it is too early yet to predict the outcome of the tournament. However, Ernie Hinck, runner-up to Joe Russel in last year's tournament is generally adjudged to be the favorite. There are four more rounds yet to be played before the final match.

A large number of freshmen and new men are entering the fall classic and it is hoped that some good material will be uncovered for the Varsity. Next spring's frosh team will probably be largely made up of the shining lights in the present tournament.

All men playing off the third round matches are urged to post their results on the bulletin board Monday, October 19, so that the following rounds will not have to be postponed any more.

STAR PERFORMERS TO GIVE GYM EXHIBITION

With the majority of athletics at the Institute holding practice every afternoon and the rest of the sports starting up immediately after Field Day the Gym team is starting its campaign for men by holding an exhibition this afternoon at 5 o'clock in the main gym in Walker. This exhibition is held expressly for the purpose of giving the new men a chance to see what the work on the gym team consists of and to give anyone who desires to come out for the team, an opportunity to sign up.

Manuel Ruiz, Jack McCoy and one other star performer have been secured to demonstrate the art of tumbling, work on the bars and rings and the horses. As all of these men are crack performers on the mats a very interesting program is promised. Gym may be substituted for Pt, the bane of the freshman, and gives a man an excellent opportunity to develop besides affording a chance to represent the Cardinal and Gray. Admission is free to all.

MORE MEN NEEDED FOR FROSH RELAY

Will Meet Arlington High in Workouts--Cross Country At Belmont

Although the track is drawing large numbers of men, Coach Os Hedlund is still not satisfied with the number of men out for the sport. Large numbers of men are still needed for the Sophomore and frosh relay teams; men who will later be material for the Varsity and frosh teams. The frosh relay team is the best opportunity offered to the new men to try out for the teams and there is still a chance for new men coming out for the sport to run on Field Day.

The frosh will have a workout with the Arlington Heights High School squad next Wednesday, in order to get a general idea of the strength of the frosh material. Arlington is reputed to have a strong team this year, so the results of the workout will give a fine idea of the strength of this year's frosh. There seems to be some fine material in this year's frosh class that will make the Sophs step very lively on Field Day if they expect to shove the baton across the line first.

On Saturday the cross country team will journey to the Belmont course and go through their paces. The cross country team opens their season with the University of New Hampshire on October 24, and as yet the men that will make this trip are unknown. The try-outs at Belmont will be the basis of Coach Hedlund's choice, as the men that make the best showing at Belmont will form the team that will run against New Hampshire.

RALLY PLANNED FOR BOXING ENTHUSIASTS

A rally will be staged next Tuesday from 3 to 6 o'clock in the hangar for the benefit of the boxing enthusiasts. Coach Rawson will preside and urges all of the feather pushing aspirants to be present.

A banner season is looked forward to as Coach Rawson has a wealth of veteran material in Kwok in the 125 pound class, Flynn in the 165. The loss of Capt. Epstein will be felt for a time as he is recovering from a recent operation. Coach Rawson is relying a lot on last year's freshman team.

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NEW OPTION FILLS IMPORTANT NEED

**Many Technology Graduates
Now Employed by Bell
System**

A fair indication of the need which the new Communications Option in Course VI-A is destined to fill can be obtained when one considers the number of Institute graduates which the Bell Telephone System takes into its employ every year.

Already over 270 Technology men occupy important positions in this company. Each year for the last five years the company has employed about thirty Institute graduates. The need is for men who are qualified to fill not only purely technical positions but for executive positions as well.

This is demonstrated by the fact that positions now occupied by Institute men are in nearly every department of the company and include operating and research engineers, personnel directors, salesmen, and statisticians.

The new Option is an attempt to give men experience in all of the important departments so that they may gain an insight into the company as a whole and at the same time to demonstrate that particular department and position for which they show especial ability.

CHEMICALS TO OPEN SEASON OCTOBER 28

Arrangements are being made by the officers of the Chemical Society to hold the first meeting of the year on Wednesday, October 28. The meeting will be in the form of a smoker, and several special features are promised.

Speakers on the evening's program include Professor Norris, President of the American Chemical Society, and Professor W. K. Lewis, head of the Department of Chemical Engineering. The program will be supplemented by moving pictures of interest to the students taking chemical courses.

A drive for membership, open to all students taking any of the chemical courses, is being conducted by the Society this week. Contrary to the custom in past years, freshmen are also eligible to join the Chemical Society this year.

MUSICAL CLUBS OPEN POSTER COMPETITION

Competition begins today for the poster design contest which is held every year by the Musical Clubs. The winning design will be used on the poster advertisements for all of the principal concerts of the year.

The contest is open only to Technology students and all designs must be entirely original and limited to three colors other than white. The poster must also be made vertically to a size which can be reduced to eleven by seventeen inches. It is required that all entries be submitted to the Musical Clubs office before 5:30 o'clock on Monday, November 17th.

Prizes for the two best posters are as follows: the winner will receive two tickets to the Christmas Concert, which will this year replace the former Fall and Winter Concerts; two tickets to the Tech-Dartmouth Concerts; and two tickets to the Spring Concert which is held during Junior week. The second prize is two tickets to the Christmas Concert, and two tickets to the Spring Concert.

E. E. SOCIETY TO HOLD A MEETING TONIGHT

The Electrical Engineering Society is holding its first meeting of the year tonight at 8:00 o'clock in North Hall, Walker. Dr. H. B. Dwight, formerly with the Canadian Westinghouse Co., who came to Technology this fall, will speak on "Power Possibilities of the Niagara and St. Lawrence Rivers." Under this topic he will discuss a plan which would make additional water from the Niagara River available for power uses and at the same time check the receding tendency which is now noticeable at the Falls. He will also discuss the proposed transmission of power from the Niagara and St. Lawrence Rivers to Boston, New York and surrounding cities. All Electricals are invited to attend this meeting. Professor Timbie, who has consented to act as Faculty Advisor for the Society, will be president.

Any men desiring to join the Society should see one of the following officials: Stuart John '26, H. W. Geyer '26, O. M. Hovgaard '26, Theodore Taylor '26 and H. E. Curtis '28.

Deputations Work Very Popular With Boston Ministers

**Need for More Men Provides
Opportunity to Give
Real Service**

Through the efforts of C. C. Shotts, the new T. C. A. secretary, the deputations committee of the T. C. A. was able to meet 25 ministers from the churches about Greater Boston, last Monday. This committee consisted of: E. F. Stevens '27, head of the deputations department, D. A. Shepard '26, J. H. Wills '26, A. P. Calhoun, and C. C. Shotts. The ministers were very enthusiastic about the good work done in their churches by the deputations of college men. Various ways were discussed at the meeting by which the deputations could do better work in Greater Boston, and at the end of the meeting E. F. Stevens was given the names of ten or more churches desiring deputations in the near future.

More Men Needed

Because of the large number of calls that have come to them for service of this kind, the T. C. A. needs a few more men to take care of this increased demand. All men who have had experience in this sort of work or are interested in this sort of service, are requested to see Shotts or Stevens.

It is hoped that in this work the Technology men will be able to reach a great many boys of high school age throughout Boston. The deputations afford a very fine opportunity for college men to perform a real service in centering the ideals of these boys on higher education, and helping them by the light of college experience to cross the wide gap that sometimes separates high school life from the life of the college man. The deputations men spend Saturday afternoon directing various recreational activities in which the boys are interested, and in the evening there is a sort of social get-together. The college men take an active part in the meetings of the Young People at the churches Sunday. They make an effort to bring the program of the week end to a climax by speaking on subjects of value to the young men in determining their moral standards and educational interests.

TECHNOLOGY DAMES WILL MEET MONDAY

Wives, mothers, and sisters of Technology students are invited to attend the opening meeting of the Technology Dames, to be held on Monday at 2:30 in the Emma Rogers Room. The Executive Committee is anxious to have a record membership this year, and all ladies interested are urged to be present at this first meeting that they may become better acquainted with the purpose of the organization. Dean H. P. Talbot '85 will speak and Mrs. Wallace Wales will render several vocal selections.

The Executive Committee this year is as follows: President, Mrs. W. H. Newhouse; Vice-President, Mrs. W. L. Norton; Secretary, Mrs. T. M. Burkholder; Treasurer, Mrs. J. W. Pugh. Committee chairmen are: Mrs. J. W. Barker, Program; Mrs. T. I. Gilbert, Social; Mrs. D. E. Replogle; Mrs. MacShort, Emergency; Mrs. L. C. White, Publicity.

MANY LEADERS FAIL TO ATTEND MEETING

A meeting of freshmen section leaders was held Wednesday at which plans for Field Day action and problems concerning the success of the day were discussed. The attendance was none too good, sections 4, 10, 11, 12, 18 and 19 not being represented.

Most of the leaders have spoken to their sections in an effort to get them in line, but there are still not enough men out for football or tug-of-war. The freshmen and Sophomores have been practicing together on one tug-of-war team and there are not enough freshmen for two full teams in football. One of the factors contributing to this laxity, according to the section leaders, is the fact that many men commute and thus do not have time for practice.

TO MAKE SELECTIONS FOR SHOW ORCHESTRA

Selections for the Tech Show Orchestra will be made at the first rehearsal, tonight at eight o'clock in the east balcony, Walker. Charles Young, the coach, will be there to select the men for the organization. The greatest need at present, the management declares, is for men who can double in the flute and sax or clarinet and sax.

Instruments needed comprise piano, violin, banjo, flute, clarinet, cello, bass (string and horn), trumpet, trombone, drum, saxophone, and French horn.

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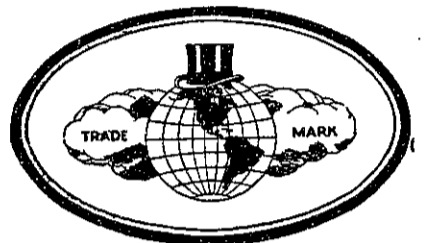
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Notices and Announcements

OFFICIAL

DEPARTMENT OF PHYSICS

Course 8.31 in Elements of Tensor Calculus will hereafter be given in room 4.231 from 10 to 11 on Wednesdays. Students planning to take Course 8.38, Theory of Relativity, to be given during the second term by Professor DeDonder of the University of Brussels, are strongly advised to take this course.

PHYSICAL TRAINING

All freshman who wish to substitute sport for Physical Training classes must sign up in the office of the Physical Director, room 335, Walker Memorial, before 12 o'clock Saturday, October 24. The following sports may be substituted: Track, Crew, Swimming, Boxing, Wrestling, Fencing, Gym Team, and Basketball.

PHYSICAL TRAINING

All freshmen who are going to register for Physical Training should sign up at once for strength tests in Room 335 Walker.

ALDRED LECTURE

The first lecture in the Aldred Series will be given today at 3 p. m. in Room 10-250 by Mr. John Hays Hammond, Mining Engineer. The title is "The Importance of the Engineering Profession."

These lectures are open only to fourth year and graduate students and to members of the instructing staff. Exercises in fourth year and graduate subjects will be omitted from 3 to 4 p. m. These exercises will be made up later as arranged by the individual instructors.

UNDERGRADUATE

FRESHMAN FOOTBALL

There will be freshman football practice every afternoon at 4 on Tech Field. On your toes, frosh.

JEWISH STUDENTS

The Student Welfare Committee of Temple Israel will give an informal reception to non-resident Jewish men and women students of Boston Sunday from 4 to 6 in the vestry of the Temple on Commonwealth Avenue, near Kenmore Station.

DARTMOUTH MEN

The Dartmouth Club of M. I. T. will hold its first Luncheon Meeting of the year today at 1 in the Grill. All Dartmouth men are urgently requested to be present.

M. I. T. MATH. CLUB

Professor W. S. Franklin will speak on "Should Scientific Education be Ameliorated?" today at 8, West lounge, Walker. Come and bring your friends. Membership may be had at this time.

E. E. SOCIETY

The Electrical Engineering Society will hold its first meeting of the year tonight at 8:00 in North Hall, Dr. H. B. Dwight will speak. All Electricals are invited.

GYM. TEAM

Freshmen and Spohomore candidates for Assistant Manager of Gym Team wanted. Be present at Gym exhibition in Walker Gym 5 to 6 today.

TUG-OF-WAR

Candidates report every night at 5.00 P. M. Freshmen report in back of track house and Sophomores by rifle range. More men are needed.

FOREIGN STUDENTS

The first social this year of the Intercollegiate Cosmopolitan Club will be held today at 7:30 in Bates Hall of the Y. M. C. A., Huntington Avenue. All M. I. T. foreign students and any others interested may attend.

FRESHMAN RIFLE PRACTICE

In as much as only five freshmen have signed up for instruction there will be none given Tuesday afternoons as planned. If more sign up later the plan will be carried out. Men should apply in 3-310.

COMBINED MUSICAL CLUBS

Tryouts for the specialty acts of the Combined Musical Clubs will be held in room 5-330, today at 5. For additional information call at room 310, Walker.

MASONS

A dinner meeting open to all Masons will be given by the M. I. T. Square and Compass Club Tuesday at 6 in North Hall, Walker.

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How to Take Lecture and Reading Notes.	Why Go to College?
Advantages and Disadvantages of Cramming.	After College, What?
	Developing Concentration and Efficiency.
	etc., etc., etc., etc., etc., etc.

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"Misdirected labor, though honest and well intentioned, may lead to naught. Among the most important things for the student to learn is how to study. Without knowledge of this his labor may be largely in vain." Prof. G. F. Swain, M.I.T.

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